(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) EP 3 267 314 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
24.01.2018 Bulletin 2018/04

(43) Date of publication A2:
10.01.2018 Bulletin 2018/02

(21) Application number: **17178569.4**

(22) Date of filing: **29.06.2017**

(51) Int Cl.:
G06F 9/50 *(2006.01)*

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME
Designated Validation States:
MA MD

(30) Priority: **06.07.2016 US 201615203767**

(71) Applicant: **Cisco Technology, Inc.**
San Jose, CA 95134-1706 (US)

(72) Inventors:
- **NEDELTCHEV, Plamen**
  San Jose, CA California 95124 (US)
- **WARD, David Delano**
  Los Gatos, CA California 95033 (US)
- **AGRAWAL, Mohit**
  San Jose, CA California 95133 (US)
- **BERNSTEIN, Alon Shlomo**
  Monte Sereno, CA California 95030 (US)

(74) Representative: **Noble, Nicholas et al**
Kilburn & Strode LLP
Lacon London
84 Theobalds Road
London WC1X 8NL (GB)

(54) CROWD-SOURCED CLOUD COMPUTING RESOURCE VALIDATION

(57) Resource provider specifications, characterizing computing resources of computing resource providers, are received. The reachability of each IP address included in the received specification is determined. An agent is deployed that is operable to determine the value of each of a set of metrics in the environment of the host at which the agent is deployed. The agent determines the value of each metric of the set of metrics in the environment of the relevant host, and communicates the determined values to one or more computing devices that validate whether the resources characterized by the communicated values are sufficient to provide the performance characterized by the received specification and that each ISP router complies with a predetermined policy. For each computing resource provider validated and determined to comprise an ISP router compliant with policy, the specified computing resources are added to a pool of resources for cloud computing.

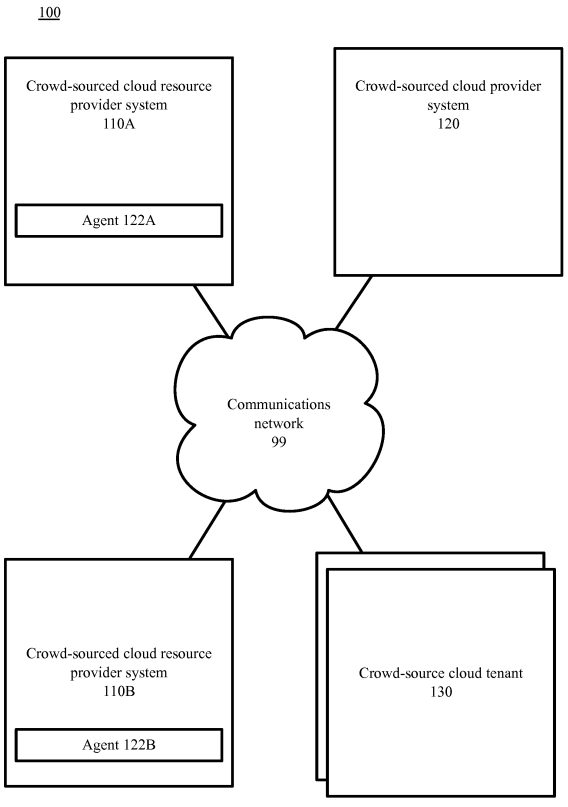


FIG. 1

EP 3 267 314 A3

Europäisches Patentamt
European Patent Office
Office européen des brevets

EUROPEAN SEARCH REPORT

Application Number
EP 17 17 8569

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2016/080477 A1 (NEDELTCHEV PLAMEN [US] ET AL) 17 March 2016 (2016-03-17) * paragraph [0010] * * paragraph [0026] * * paragraph [0034] - paragraph [0036] *	1-15	INV. G06F9/50
A	SYMANTEC CORPORATION: "E-security begins with sound security policies", ANNOUNCEMENT SYMANTEC, XX, XX, 14 June 2001 (2001-06-14), XP002265695, * the whole document *	1-15	
A	ATTILA MAROSI ET AL: "Towards a volunteer cloud system", FUTURE GENERATIONS COMPUTER SYSTEMS., vol. 29, no. 6, 27 March 2012 (2012-03-27), pages 1442-1451, XP055230747, NL ISSN: 0167-739X, DOI: 10.1016/j.future.2012.03.013 * the whole document *	1-15	

TECHNICAL FIELDS SEARCHED (IPC)

G06F

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	15 December 2017	Alecu, Mihail

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A : technological background
O : non-written disclosure
P : intermediate document

T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
D : document cited in the application
L : document cited for other reasons

& : member of the same patent family, corresponding document

EPO FORM 1503 03.82 (P04C01)

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 17 17 8569

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

15-12-2017

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2016080477 A1	17-03-2016	EP 3191953 A1	19-07-2017
		US 2016080477 A1	17-03-2016
		WO 2016040889 A1	17-03-2016

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82